Adaptec AUA-7500A Multi-Card Media Reader

User's Guide

adaptec®

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Regulatory Compliance Statements

Federal Communications Commission Radio Frequency Interference Statement

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. However, if this equipment does cause interference to radio or television equipment reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.
- Use a shielded and properly grounded I/O cable and power cable to ensure compliance of this unit to the specified limits of the rules.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

Adaptec, Inc.	AUA-7500A
FC	Tested to Comply With FCC Standards FOR HOME OR OFFICE USE

CE European Union Compliance Statement

This Information Technology Equipment has been tested and found to comply with EMC Directive 89/336/EEC, as amended by 92/31/EEC and 93/68/EEC, in accordance with:

- EN55022 (1998) Emissions
- EN55024 (1998) Immunity:
  - ❼ EN61000-4-2 (1998) Electrostatic discharge: ±4 kV contact, ±8 kV air
  - ❼ EN61000-4-3 (1998) Radiated immunity
  - ❼ EN61000-4-4 (1995) Electrical fast transients/burst: ±1 kV AC, ±0.5 kV I/O
  - ❼ EN61000-4-5 (1995) Surges ±1 kV differential mode, ±2 kV common mode
  - ❼ EN61000-4-6 (1996) Conducted immunity: 3 V
  - ❼ EN61000-4-11 (1994) Supply dips and variation: 30% and 100%

In addition, all equipment requiring U.L. listing has been found to comply with EMC Directive 73/23/EEC as amended by 93/68/EEC in accordance with EN60950 with amendments A1, A2, A3, A4, A11.

Canadian Compliance Statement

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

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Your Adaptec AUA-7500A Media Reader allows you to read and write to many different types of memory cards including Memory Sticks®, CompactFlash™ cards, Microdrive™, Smart Media™, Secure Digital™ card, Multi Media Card (MMC) ™, and T-flash™.

This *User's Guide* introduces the Adaptec AUA-7500A Media Reader, provides detailed device driver installation instructions, explains how to install it in your computer, and how to insert and remove compatible memory cards.

Kit Contents

- Adaptec AUA-7500A Multi-Card Media Reader
- USB 2.0 to 5-pin adapter cable
- Mounting screws
- Installation CD, including device drivers, and documentation
- Quick Install Guide

System Requirements

To use your Adaptec Media Reader, you need a PC-compatible computer with:

- Microsoft® Windows® XP, Windows 2000, Windows Me, and Windows 98SE
- A CD-ROM or DVD-ROM drive
- For External Use:
  - An available USB port
- For Internal Use:
  - Either an internal USB port, or a 5-pin USB terminal on the motherboard

Note: If you don't have an internal USB port, Adaptec recommends the Adaptec USB2Connect AUA-5100 PCI USB 2.0 host adapter.

  - An available 3.5 inch drive bay

Note: If there is no 3.5-inch drive bay, use a commercial 5-inch bay adapter.

Compatible Memory Cards

Your Adaptec Media Reader is compatible with these memory cards.

Note: See the Figures on next page and "*Inserting and Removing Memory Cards*" on page 11 for help locating the proper slot for each type of card.

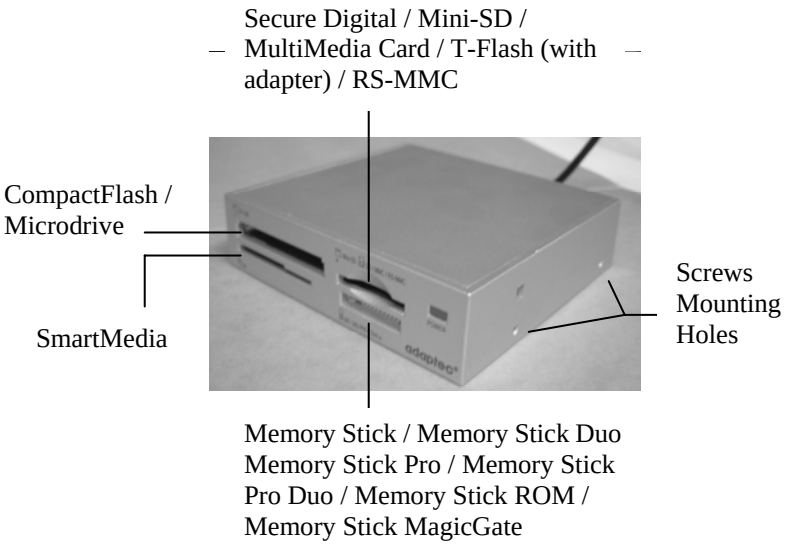
- CompactFlash (CF) Type I and Type II cards
- Microdrive (MD)
- Secure Digital (SD) and Mini-SD Cards
- MultiMediaCard (MMC), MMC II, and RS-MMC
- Memory Stick (MS) and Memory Stick Pro
- Memory Stick Duo and Memory Stick Pro Duo
- Memory Stick MagicGate and Memory Stick ROM
- SmartMedia (SM) card
- T-Flash (need adapter)

Note: These types of cards use the same slot on the Adaptec AUA-7500A Media Reader and therefore cannot be used simultaneously:

- CompactFlash card and Microdrive
- SD, Mini-SD, MMCs, RS-MMC, and T-Flash (with adapter)
- Memory Sticks, Memory Stick Pro, Memory Stick Duo, Memory Stick Pro Duo, Memory Stick MagicGate, and Memory Stick ROM.

This is Your Adaptec Media Reader

Your Adaptec AUA-7500A Media Reader has these features:


Secure Digital / Mini-SD / MultiMedia Card / T-Flash (with adapter) / RS-MMC
CompactFlash / Microdrive
SmartMedia
Screws Mounting Holes
Memory Stick / Memory Stick Duo Memory Stick Pro / Memory Stick Pro Duo / Memory Stick ROM / Memory Stick MagicGate

Note: See the Figure in "*Inserting and Removing Memory Cards*" on page *11* for more details on how to align the memory cards.

Installing the Device Drivers

Windows Me & Windows XP Driver Installation

Driver installation is optional for Windows Me, and Windows XP. Simply connect the Adaptec Media Reader to the system and the system will go through a sequence of installation processes by itself. When it is ready, you can access the reader by clicking the "Removable Disk" icon in "My Computer".

However, if you install the driver from the CD, the four multi-format slots of the reader will be clearly marked as CF (for CompactFlash), MS (for Memory Stick), SD (for Secure Digital), and SM (for SmartMedia).

Windows 98SE and Windows 2000 Driver Installation

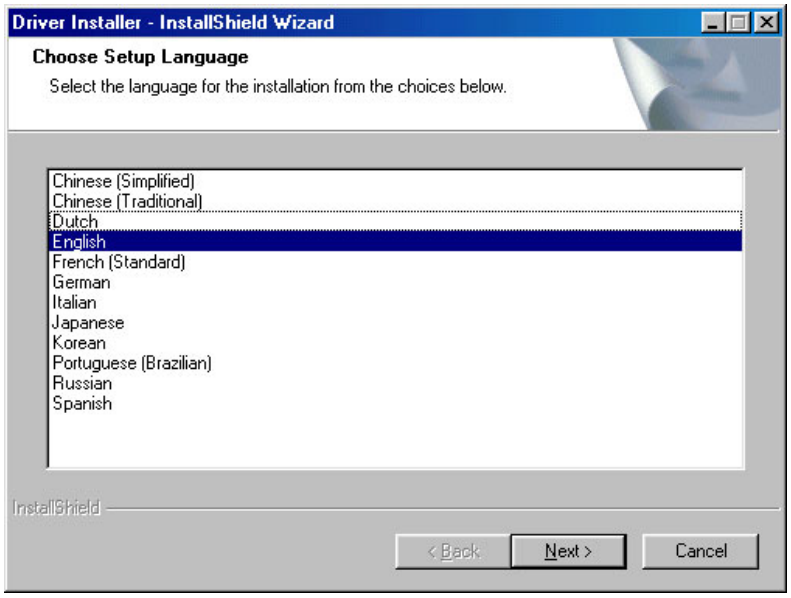
Please make sure you install the device driver **before** connecting the Adaptec Media Reader hardware to your computer. The screenshots shown below are from Windows 98SE; however, the steps apply to all Windows operating systems except step #5 for Windows Me and Windows XP users.

To install the device drivers:

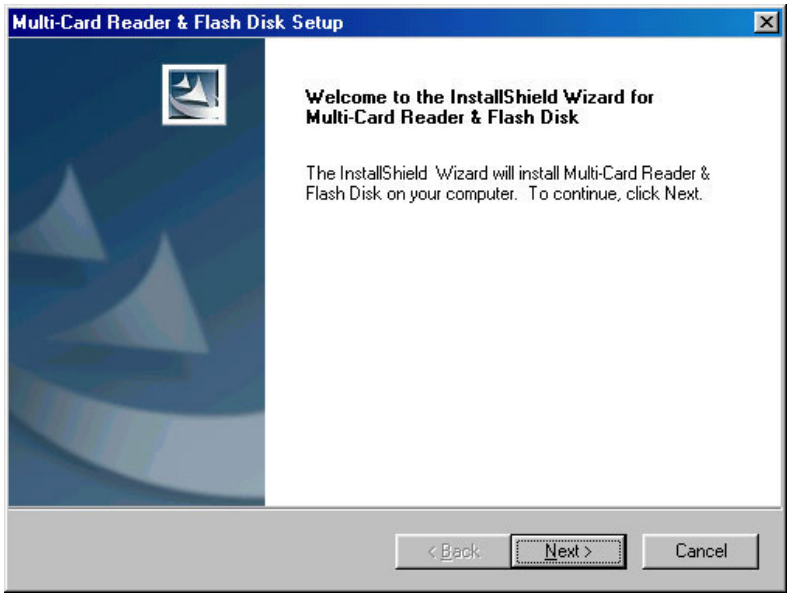
1 Insert the Installation CD into your CD-ROM drive. The Installation Wizard opens automatically. If it doesn't, use Windows Explorer to display the CD contents, then click **autorun.exe**.

2 In the Installation Wizard screen, click "**Installation Software**".

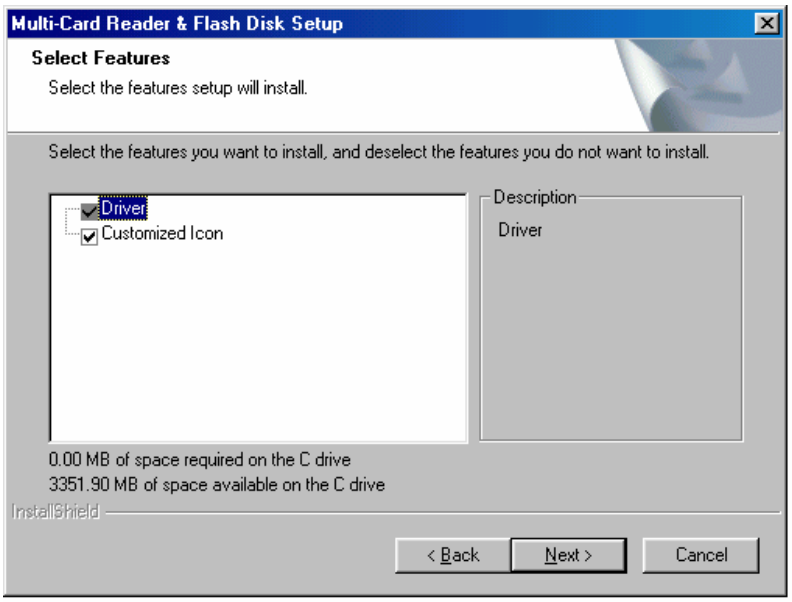
3 Select your preferred language for the setup and click "**Next**".



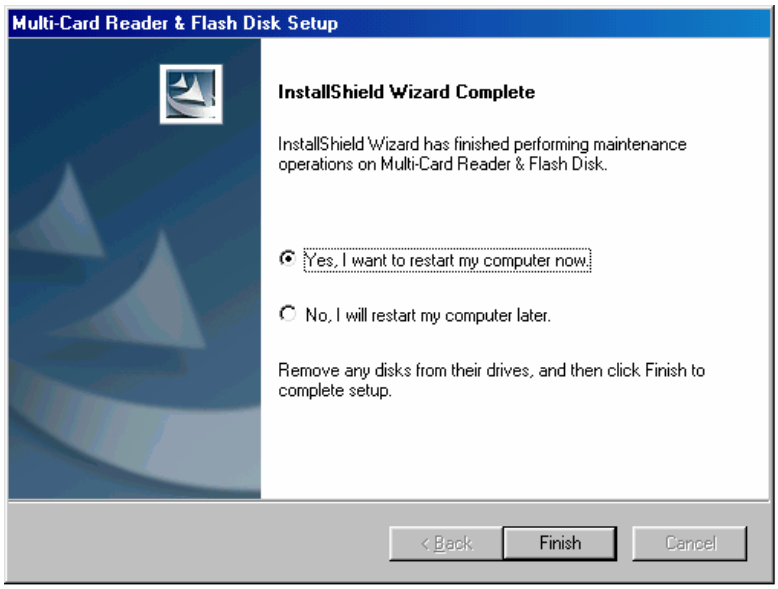
4 Click "**Next"** in the next screen.


Multi-Card Reader & Flash Disk Setup
Welcome to the InstallShield Wizard for Multi-Card Reader & Flash Disk
The InstallShield Wizard will install Multi-Card Reader & Flash Disk on your computer. To continue, click Next.
< Back
Next >
Cancel

5 Make sure both boxes are checked then click "**Next**".


Multi-Card Reader & Flash Disk Setup
Select Features
Select the features setup will install.
Select the features you want to install, and deselect the features you do not want to install.
Driver
Customized Icon
Description
Driver
0.00 MB of space required on the C drive
3351.90 MB of space available on the C drive
InstallShield
< Back
Next >
Cancel

6 When the installation is complete, select "**Yes, I want to restart my computer now"**, and then click "**Finish"**.


Multi-Card Reader & Flash Disk Setup
InstallShield Wizard Complete
InstallShield Wizard has finished performing maintenance operations on Multi-Card Reader & Flash Disk.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish
Cancel

Now you are ready to install your Adaptec Media Reader hardware which will be explained in the next section.

Installing Your Adaptec Media Reader

If you want to mount the Adaptec Media Reader in one of the available 3.5" drive bays, please follow the instructions in "*Mounting Your AUA-7500A for Internal Use*" below; otherwise, you can advance to page *10* "*Connecting Your AUA-7500A for External Use*".

Mounting Your AUA-7500A for Internal Use

To install your Adaptec Media Reader:

1. Turn off power to the computer and disconnect the power cord.
2. Open the computer cabinet, following the manufacturer's instructions.

Caution: Discharge any static electricity build-up by touching a grounded metal object (such as the exposed metal parts on the back of your computer).

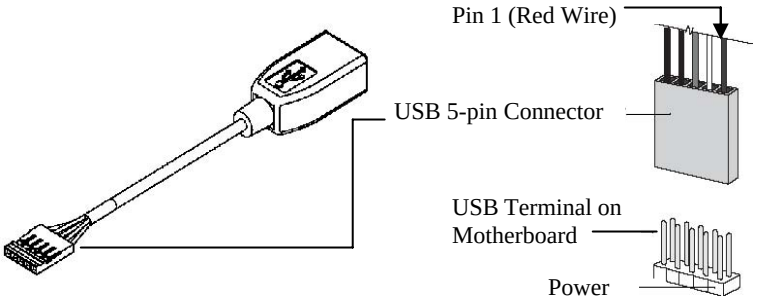
3. Prepare the drive bay for the installation of a new drive, following your computer manufacturer's instructions.
4. Hold the Adaptec Media Reader by its sides, top side up, and insert it into the drive bay, aligning the screw holes on the side of the Media Reader with the mounting holes of the drive bay.
5. Secure the Adaptec Media Reader in the drive bay, using the screws provided.

Caution: Secure *both* sides of the Adaptec Media Reader, using all four screws. Securing only one side may cause the device to warp and fail.

6. Connect the USB cable to an internal USB port, following your computer manufacturer's instructions, or the instructions that came with your USB host adapter.

Note: If you don't have an internal USB port or a USB terminal on your motherboard, Adaptec recommends the Adaptec USB2Connect AUA-5100 PCI USB 2.0 host adapter.

If you want to connect to a 5-pin USB terminal available on your motherboard, you can use the adapter cable (shown below left).



Read your motherboard's documentation to locate the USB terminal and identify the pin that provides power, and then connect that to Pin 1 (shown above right) on the USB 5-pin connector.

The Table below provides detailed descriptions of the five wires on the cable converter.

Wire #	5	4	3	2	1
Color	Black	Black	Green	White	Red
Function[1]	Shield	Ground	+ Data	-Data	VCC

[1] Check your motherboard documentation to ensure that the USB header is wired according to the information in this Table.

7. Close your computer cabinet and reattach the power cord, then power on your computer. When your computer restarts, the system will go through a sequence of installation processes by itself. When installation is complete, you can begin using your Adaptec Media Reader. See *"Inserting and Removing Memory Cards"* on page *11* for more information.

Connecting Your AUA-7500A for External Use

1. When the system is up and running, you can simply plug your Adaptec Media Reader to any available USB port either on your motherboard or from an add-on card (PCI or PCMCIA).

Note: Adaptec Media Reader is an USB 2.0 device that is compatible to USB 1.1 and USB 1.0. For USB 2.0 performance; however, a USB 2.0 port is required.

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2. If this is your very first time connecting the Adaptec Media Reader to the system, the system will go through a sequence of installation processes. After the installation is complete, you can begin using your Adaptec Media Reader. See *"Inserting and Removing Memory Cards"* on page *11* for more information.

Inserting and Removing Memory Cards

The Adaptec Media Reader is equipped with four multi-format slots. The Figure below illustrates how to align your memory cards when inserting them into the card reader.

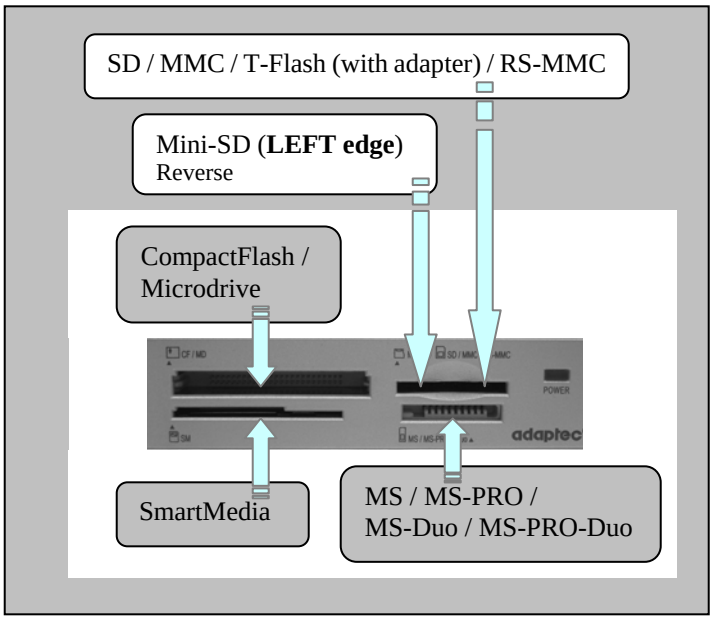

Figure 1: Memory Cards Slots

To insert a memory card into your Adaptec Media Reader:

1 Align the card as shown above.

2 Slide it into the correct slot as far as it will go. When the card is inserted correctly, it will protrude slightly from the Media Reader.

3 Most cards can be accessed with the top facing up except:

- Mini-SD: Insert the card into the **LEFT edge** of the slot with the pins facing up.
- SmartMedia (SM): Insert the card with the pins facing up.
- T-Flash: An adapter is required. Insert it with the top facing up.

To remove a memory card:

1 Ensure that no files on the card are being used or copied.

Caution: To avoid losing data, don't remove the memory card while files on the card are in use.

2 Open **My Computer** and right-click the drive icon for the memory card you want to remove.

3 Click **Eject**.

4 Allow at least 30 seconds for the Memory Card LED to go out and for any delayed writes to be completed. Then, pull the memory card from its slot.

A Note for Microdrive Users

Microdrives require more power than other memory cards. When using a Microdrive, remove other memory cards from the Media Reader to avoid data loss or other errors.

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